CLASS: MBA   **SEMESTER : III**
BRANCH: MBA   **SESSION : MO/18**

SUBJECT: MBA3051 RELATIONAL DATA BASE MANAGEMENT SYSTEM

TIME: **FULL MARKS: 60**

INSTRUCTIONS:
1. The question paper contains 7 questions each of 12 marks and total 84 marks.
2. Candidates may attempt any 5 questions maximum of 60 marks.
3. The missing data, if any, may be assumed suitably.
4. Before attempting the question paper, be sure that you have got the correct question paper.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)	Briefly explain different types of keys in Relational data model.	[6]
Q.1(b)	Explain the Three Tier Schema Architecture of a database with neat diagram.	[6]
Q.2(a)	Explain the following terms: Fully functional Dependencies & Transitive Dependencies.	[6]
Q.2(b)	Define DDL, DML and Query Processor.	[6]
Q.3(a)	Discuss Normalization with an example.	[6]
Q.3(b)	Explain about 1NF, 2NF with relevant examples.	[6]
Q.4(a)	Create Emp table with following attribute: Emp_ id, Emp_ nm, Emp_ add, Emp_ Sal, Emp_ Design, Emp _ Dept, Emp_ Date of Join.	[6]
Q.4(b)	Retrieve the following from the Emp Table: Find all the ENAME's whose salary is < Rs.20000. Find all the employees working with SALES Department and with designation MANAGER.	[6]
Q.5(a)	Construct an E-R diagram for a hospital with a set of patients and a set of medical doctors. Associate with each patient a log of the various tests and examinations conducted.	[6]
Q.5(b)	Explain log-Based Recovery in detail.	[6]
Q.6(a)	Define Data mining. Discuss OLAP & OLTP.	[6]
Q.6(b)	What are different types of failure? Define Fuzzy checkpoint.	[6]
Q.7(a)	Discuss data warehouse and data marts.	[6]
Q.7(b)	Define BCNF with an example.	[6]

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